

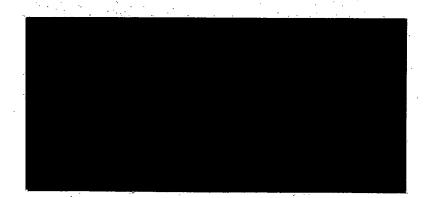
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FIELD INVESTIGATIONS OF UNCONTROLLED HAZARDOUS WASTE SITES

FIT PROJECT

TASK REPORT TO THE ENVIRONMENTAL PROTECTION AGENCY CONTRACT NO. 68-01-6056



FIELD INVESTIGATIONS OF (Red) UNCONTROLLED HAZARDOUS WASTE SITES

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TASK REPORT TO THE ENVIRONMENTAL PROTECTION AGENCY CONTRACT NO. 68-01-6056

On-Site Insepction of Hoffman Landfill TDD No. F3-8009-06 EPA No. MD-4

ecology and environment, inc.

International Specialists in the Environmental Sciences

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ON-SITE INSPECTION OF Hoffman Landfill TDD No. F3-8009-06 EPA No. MD-4

TABLE OF CONTENTS

Site Inspection Form Section 1

Section 2 Field Trip Report

Sample Log Section 3

Photographs and Log Section

(Site location and site schematic Maps: Section

with photo and sample loci)

Attachments* Section 6

*Attachment #1 Sample Traffic Reports and Chain of Custody Forms

Presented by

Ecology and Environment, Inc. Field Investigative Team Region III

SECTION 1

SEPA	POTENTIAL HAZARDOUS W	ASTE SITE		REGION SITE NUMBER (to be seelign of by Hq)
File. Be sure to include all appro	opriate Supplemental Reports in	the file Sub-	nin its entirety in	is possible. Then use the informa- the regional Hazardous Waste Log orms to: U.S. Environmental Pro- M St., SW; Washington, DC 20460
A. SITE NAME	I. SITE IDEN			IPa-
Hoffman Landfill			other identifier)	3
C. CITY		D. STATE	Hoffman Vil	TAGE
Frostburg G. SITE OPERATOR INFORMATION 1. NAME		MD		Allegany
Inactive as lan <u>listed below.</u>	dfill. Other uses by	owners	7.4	2. TELEPHONE NUMBER
8. STREET	4. CITY	-	- 	8. STATE 6. ZIP CODE
H. REALTY OWNER INFORMATION (1. NAME 1. Maryland Coal Frostburg. 2. Cumber 1	and Realty Co. (301)	689-8895 Industria	Depot Rd. Foundation	2. TELEPHONE NUMBER
3. Tressler - Lutheria	an Associates (689-242	25) 1 Kay	lor Circle, F	4. STATE 5. ZIP CODE OSTBURG MD
Inactive solid waste	landfill in reclaimed	strip mi	ine.	
J. TYPE OF OWNERSHIP 1. FEDERAL 2. STA		L MUNICIPAL	X 5. PRIVAT	re
	II. TENTATIVE DISPOSITION	(complete th	is section last)	
A. ESTIMATE DATE OF TENTATIVE DISPOSITION (mo., day, & yr.)				
11/3/80	1. HIGH 2	2. MEDIUM	X 3. LOW	4. NONE
C. PREPARER INFORMATION 1. NAME Alton Day Stone		2. TELEPHON (609) 6	е number 65-1515	3. DATE (mo., day, & yt.) 11/3/80
A. PRINCIPAL INSPECTOR INFORMA	III. INSPECTION	INFORMATIC	Й	
1. NAME Alton_Day_Stone		2. TITLE Field T	echnician	
Ecology and Environ B. INSPECTION PARTICIPANTS	ment, Inc., Pennsauke	n, NJ 08	110	4. TELEPHONE NO. (600 & no.) (609) 665-1515
1. NAME	2. ORGAN	IZATION		8. TELEPHONE NO.
		· · · · · · · · · · · · · · · · · · ·		o. TELEPHONE NO.
Alton Day Stone	Ecology and Environ	: <u> </u>		(609) 665-1515
Terry Shannon	Ecology and Environ	ment, Inc	•	(609) 665-1515
C. SITE REPRESENTATIVES INTER		s, residents)		
1. NAME	2. TITLE & TELEPHONE NO.		8.	ADDRESS
None				
			· ·	
			-	

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A CONTRACTOR		ECTION INFORMATION (cont	inued)		A STEEL STEEL
GENERATOR INFORMATION			ter and the second	·	
	2. TELEPHONE NO.	3. ADDRE	53	4. WASTE TYP	E GENERATED
Allegany County Municipal wastes					000
	304-726-4500	Box 210 Cumberland	Maryland	1	Page Onig
Celanese Corp. Amcel Celly Springfield In	le Plant 301-7	29-1000 Box 444 Cu	umberland MD	Asbes	tos. Resins
				<u> </u>	
PS Industries :	301-722-8500	Box 1356 Cumberla	and MD	<u> </u>	
TRANSPORTER/HAULER INF				·	<u> </u>
	2. TELEPHONE NO.	8. ADDRE		4.WASTE TYP	ETRANSPORTED
Industrial wastes had			rcules by		
orivate/public trash	u i Sposa i compa	1165).	 	 	
				93.4	
			··	1	
	A STATE OF THE STA				* * * * * * * * * * * * * * * * * * *
. IF WASTE IS PROCESSED ON	SITE AND ALSO SHIPP	ED TO OTHER SITES, IDENTIF	Y OFF-SITE FACILITIE	S USED FOR D	ISPOSAL.
	2. TELEPHONE NO.		3. ADDRESS		
	, T		-		
				· 	
DATE OF INSPECTION	. TIME OF INSPECTION	I. ACCESS GAINED BY: (cred	entials must be shown in	ali cases)	
(mo., day, & yr.)	•	X 1. PERMISSION	2. WARRANT	•	~
WEATHER (describe)	1300				
Sunny, cool -	60° wind 5-10	mph: clear		, .	
		. SAMPLING INFORMATION		17.	
. Mark 'X' for the types of sa	mples taken and indic	ate where they have been sen	t e.g., regional lab, o	ther EPA lab,	contractor,
etc. and estimate when the	results will be availal	ble.			
1.SAMPLE TYPE	2.SAMPLE TAKEN	8.SAMPLE	SENT TO:		4. DATE
	(mark 'X')	RSAR, Washington, D	•		AVAILABLE
. GROUNDWATER		est Coast Tech. Serv		CA T	11/29/80
		RSAR, Washington, D		·	
b. SURFACE WATER		st Coast Tech. Serv		CA	11/29/80
c. WASTE					
d, AIR		<u>.</u>			
er old			· · · · · · · · · · · · · · · · · · ·		
e. RUNOFF					
			***	*	
£ spill					•
					·
g. SOIL					
. VEGETATION					
i. OTHER(specify)					
				<u></u>	<u>.</u>
. FIELD MEASUREMENTS TAK	EN (e.g., radioactivity,	explosivity, PH, etc.)			
\1.TYPE		OF MEASUREMENTS	8.	RESULTS	
None taken			<u> </u>		
					<i>i</i>
the contract of the contract o					·, · · ·

IV SAME	PLING INFORMA	TION (continued)	_				
C. PHOTOS		,					
1. TYPE OF PHOTOS	2. PHOTOS IN CUSTODY OF:						
XX s. GROUND b. AERIAL	Ecology	and Environment, Inc		<u>.</u>			
D. SITE MAPPEDY				ORIGINAL			
X YES, SPECIFY LOCATION OF MAPS:	† ₄ *,		,	(Red)			
_	and Environ	nment, Inc.		(eu)			
E. COORDINATES Frostburg, MD 7.5 min.	USGS Quad						
1. LATITUDE (degminsec.)		. LONGITUDE (degminsec.)					
39° 37' 35"		78° 55'		•			
	V. SITE INFOR						
A. SITE STATUS				1			
1. ACTIVE (Those inductrial or X 2. INACTIV	/E (Those	3. OTHER (specify):					
municipal sites which are being used sites which no for waste treatment, storage, or disposal wastes.)	longer receive	(Those sites that include such inc where no regular or continuing use	ide:	nts like "midnight dumping" the site for waste disposal			
on a continuing basis, even if infre-		has occurred.)	-				
quently.)	- 1	s e					
B. IS GENERATOR ON SITE?		124 . ·					
X 1. NO 2. YES(specify generator's four-d	ligit SIC Code):	<u> </u>					
		The state of the s					
AREA OF SITE (in acres) D. ARE THERE	BUILDINGS ON						
[X] 1. NO		eify): Home for aged, s	ma	ll business build-			
	equipment s	storage buildings on	th	e immed. perimeter.			
		OF SITE ACTIVITY					
Indicate the major site activity(ies) and details relati			pri	ate boxes.			
'X	lx'		X.				
A. TRANSPORTER B. STOF	RER	C. TREATER		D. DISPOSER			
1.RAIL	 	1. FILTRATION	x	1. LANDFILL			
2.SHIP 2.SURFACE IMPO	UNDMENT	2. INCINERATION	1	2: LANDFARM			
S. BARGE S. DRUMS		8. VOLUME REDUCTION	T	3. OPEN DUMP			
4. TRUCK 4. TANK, ABOVE	GROUND	4. RECYCLING/RECOVERY	+	4.SURFACE IMPOUNDMENT			
S. PIPELINE S. TANK, BELOW		5. CHEM./PHYS./TREATMENT	+	5. MIDNIGHT DUMPING			
6.OTHER(specify): 6.OTHER(specify)		6. BIOLOGICAL TREATMENT	+	6.INCINERATION			
		7. WASTE OIL REPROCESSING	+	7. UNDERGROUND INJECTION			
	 	8. SOLVENT RECOVERY	+	8.OTHER(specify):			
	—	9.OTHER(specify):	1.]			
	-	10.00.000000000000000000000000000000000					
			1				
			1	•			
	· I						
E. SUPPLEMENTAL REPORTS: If the site falls within an	ny of the categorie	s listed below, Supplemental Repo	rts:	must be completed. Indicate			
which Supplemental Reports you have filled out and atta	ched to this for						
1. STORAGE 2. INCINERATION	X 3. LANDFILL	SURFACE] 5.	DEEP WELL			
	VI 3. ENUDÈTEE	LJ 4. IMPOUNDMENT L	J 2.				
6. CHEM/BIO/	B OBEN DIM	P 9. TRANSPORTER) 1¢	. RECYCLOR/RECLAIMER			
- PHYS I REALMENT -							
	ASTE RELATED	INFORMATION					
A. WASTE TYPE	V	□ 4 cas		•			
1. LIQUID X 2. SOLID	X 3. SLUDGE	4. GAS					
A WASTE SUADAGTERIA							
B. WASTE CHARACTERISTICS	. '			÷ .			
1. CORROSIVE X 2. IGNITABLE	3. RADIOACT	= '					
X 5. TOXIC 6. REACTIVE	7. INERT	8. FLAMMABLE					
				••			
[X] 9. OTHER (apocity): Municipal waste; ga	arbage, refi	use and sewage sludge	: .				
1 Are records of wastes available? Specify items such a	s manifests, inver	itories, etc. below.		Caumin ains come			
No accurate record of industrial wa	astes. Comp	pany letters to Alleg	jan	y county give some			
indication of amounts and types of	wasto disno	osed of in landfill.					

EPA No. MD-

<u> </u>	Estimate the amou	nt (70000								1	e, SOLIDS	. 1	f. OTHE	- Q														
•	a. SLUDGE	 	b. OIL	-	C.		VENTS			d. CHEM	IICALS		MOUNT		AMOUNT	<u>-</u>														
) Me	UNKNOWN		IOUNT	7	MUG.	•,1	••	- 1	1	JNKNOW	/N		1400 tons		HINKMOMI	N														
UNI	IT OF MEASURE	lu.	NIT OF MEASURE	-	INIT	OF M	AEASUF	RE		IT OF ME		1	NIT OF MEASU	JRE	UNIT OF MEN	SYNEA.														
्	80	<u></u>		1,					 			- T x	Total depo		(R	ed)														
Ž'	(1) PAINT. PIGMENTS	È	(1) OILY WASTES	F	<u> </u>	1ALC 3OLV	OGENA /ENTS	TED	Ĥ	(1) ACIDS	.	1	(1) FLYASH		(1) LABORA	ACEUT														
	(2) METALS SLUDGES	L	(2) OTHER(specif	ly):			HALOC ENTS		L	(2) PICKL LIQUO		×	((2) ASBESTOS	1	(2) HOSPIT	AL.														
	(8) POTW			F	(3)	DTHE	ER(spe	cify):	[·]	(3) C AUS1	TICS		(8) MILLING/N TAILINGS	AINE	(3) RADIOA	CTIVE														
1	(4) ALUMINUM SLUDGE							٠. '		(4) PESTI	ICIDES		(4) FERROUS	ES.	(4) MUNICIF	PAL														
J	(8) OTHER (specify):	1	•					•		(5) DYES/	/INK5	T,	(5) NON-FERR	IOUS ASTES	(5) OTHER	:(apecit														
			4.1							(6) C YAN	NIDE		((6) OTHER(*P																	
						*			П	(7) PHEN	NOLS	f	fiberglass scrap resi	s was	e															
)										(8) HALC	DGENS	a	activators related pr	s and																
. <i>2</i> *										(9) PCB			sing refus			_														
					*	wf	<i>.</i>	,		(10) MET	rals		,			٠.														
			e garati Garatik Teorografia							Golven	HER(specii 1ts	fy)			, .															
٠.		1			<i>:</i>				1		·	1																		
D.	LIST SUBSTANCES	OF	GREATEST CON	CERN			RE ON				n descend	ing c	order of hazard)	-	<u> </u>	:														
Ī	F - 1	٠.			2. FORM (merk 'X')				XICITY * 'X')			.c.wwass		AMOUNT	6. UNI															
	1. SUBST	ANC																	5- 1	b. c.VA- a. Liq. POR HIGH			b. MED	c. a.		4. CAS NUMBER		5.	MOUNT	0.
_			:	LID	+	"	-	 	ME	'' 						†														
_	Asbestos	<u>;</u>	· · · · · · · · · · · · · · · · · · ·	X	\downarrow	\dashv			X					<u>lÙ.</u>	NKNOWN															
ŀ _	Epoxy-resin	<u>r</u>	efuse	X		. 1			X	X			· · · · · · · · · · · · · · · · · · ·	<u> U</u>	NKNOWN	<u> </u>														
		**]	. :						<u>.</u>																
															1	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$														
												<u>.</u>	* .	\$9		1														
		:								19, 2		:																		
					T			-																						
		-			w. 3							-																		
r										SCRIPT																				
F	FIELD EVALUATION)N	HAZARD DESCI	RIPT	ION:							that	the listed haz	sard exi	sts. Describ	e the														
_	X A. HUMAN HEAL						•							· .																
I t	Results from	th	he sampling	wel	1 h	elp	ind	licat	te i	whethr	er a hi	uma	n health '	nazar	d exists	due														
₽. •	to contemins,				~~~	dus	tor	Dr	000	ihla r	mothan/	a h	uildun in	buil	dinas dir	ect														
1	adjacent to t	tec	d surface or	r gr	Out	'uwa	rei.	, _F(122	IDIC I	ile chan	ط , ک	arraup iii	24	- · · · · · · · · · · · · · · · · · · ·															

One.

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EPA No. MD-4 TDD No. F3-8009-06 Continued From Page 4" VIII. HAZARD DESCRIPTION (continued) X B. NON-WORKER INJURY/EXPOSURE There are two housing complexes immediately adjacent to the landfill. An explosion hazard exists if there is a methane build-up in the basement, crawl spaces, etc. of these dwellings. Methane build-up is being monitored by the State of Maryland. ORIGINAL (Red) C. WORKER INJURY/EXPOSURE None Known D. CONTAMINATION OF WATER SUPPLY The small pond, directly adjacent to the east side of the landfill is used for stock water. This pond receives run-off, leachate and/or shallow groundwater from the site. There are no public wells in the vicinity. X E. CONTAMINATION OF FOOD CHAIN Small pond immediately adjacent to, and receiving run-off from the site is used for stock watering and probably local small animals. Wild ducks were observed using the pond. X F. CONTAMINATION OF GROUND WATER Landfill is unlined. Possible groundwater contamination. Monitoring wells intersect groundwater. Results of the sampling will indicate whether the landfill is contribut-Monitoring wells intersect ing to groundwater contamination.

X G. CONTAMINATION OF SURFACE WATER

The small pond to the east receives run-off and/or leachate and possibly some ground-water. The pond was sampled and results will help indicate if the pond, and animals which use it for water are subject to contamination. Drainage from the Hoffman Drainage Tunnel empties into Braddock Run to the east. Groundwater from the Hoffman Landfill may be draining into the drainage tunnel.

Janiena (boll)

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TDD No. F3-8009-06 ontinued From Front	EPA No. MD-4
VIII. HAZARD DESCRIPTION (continued)	Company of the second second second
H. DAMAGE TO FLORA/FAUNA	
No acute damage observed.	
	ORIGINAL (Red)
	(Pad)
	theu)
	- was a second
1. FISH KILL	
None observed.	
J. CONTAMINATION OF AIR	
경우의 성공연하고 그는 그리고 그리는 한 그를 바꾸는 모모는 것	
None observed.	
Thore observed.	
K. NOTICEABLE ODORS	
None noticed	
None noticed.	
	0:
L. CONTAMINATION OF SOIL	
Some possible from buried wastes.	
	,
M. PROPERTY DAMAGE	$\label{eq:continuous_problem} \mathcal{C}_{\mathcal{A}}}}}}}}}}$
None.	• .

analana alagaj

Possible. Indescriminate dumping of wastes.

omental (Bed)

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	VIII. HAZARD DES	CRIPTION (continued)		
T. MIDNIGHT DUMPING		·	•	
	•		∩D1/	SINAL
No indication wer	re observed.	V.,	,	ed)
	· · · · · · · · · · · · · · · · · · ·	·	ļn	eu)
	•			Service of
		to the second se		
		•		·
•				
X U. OTHER (epecify):		-		
and Vale Summit.	pperated three landfi There is no record pints for industrial	as to which of these	e landfills wer	Cabin Run e the
County Engineering designated hazard	cules and Kelley Spr g Department noting lous substances and t e landfills, except	that each had review hat each was not de	wed a state lis	t of
	•			
		•	•	-
· :	•			
	*		:	
	IX. POPULATION DIREC	TLY AFFECTED BY SITE	·	}
A LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE (specify units)
1. IN RESIDENTIAL AREAS	estimated 100	0	2 rest-retire- ment home comp	
IN COMMERCIAL OR INDUSTRIAL AREAS		0		ik. ; 4
S. TRAVELLED AREAS	located <.25 mi. f	om major highway		, <u>o</u>
PUBLIC USE AREAS (parks, schools, etc.)		0		Ā
A. DEPTH TO GROUNDWATER(epoc		DHYDROLOGICAL DATA	ROUNDWATER USE IN	VICINITY
15 feet	East, possibly		light, domestic	
D. POTENTIAL YIELD OF AQUIFER	E. DISTANCE TO DRI	NKING WATER SUPPLY F. D	IRECTION TO DRINKIN	
UNKNOWN -	UNKNOWN. Mui	nicipal water.	UNKNOWN	
G. TYPE OF DRINKING WATER SUP 1. NON-COMMUNITY <15 CONNECTIONS	PLY 2. COMMUNITY (epecify town): > 15 CONNECTIONS	Frostburg Municipal	Water.	
	4. WELL			
E PA Form T2070-3 (10-79)		E 8 OF 10	Contin	ue On Page 9

ORIGINAL (Red)

	Page 8								
				R AND HYDROL		A (CC	ontinued)		
H. LIST ALL DRIF	NKING WAT	ER WEL	LS WITHIN A 1/	4 MILE RADIUS C	FSITE			NON-COM-	COMMUN-
1. WELL	2. DEI (specify	PTH unit)	<u> </u>	(proximity	8. LOCATION to population/b	ildin	(d•)	MUNITY (mark 'X')	(merk 'X')
None									
								<u> </u>	,
									·
	· · · · ·								
	 		1		_		,		
I. RECEIVING WA	TER							1	
1. NAME	\$ ·		2. SEWE	RS	X 3. STRE	AMS	/RIVERS		
Braddock	Run			· **		•	NE		
Georges C	reek			S/RESERVOIRS	<u>5.</u> 0T <u>H</u>	ER (8)	pecify):		
	AND CLA	~		VING WATERS		٠,٠			
Braddock	Run is	a sma	all class	one mountai	n stream d	of l	upspecified use,	above the	e Hoffman
Drainage			George	s Creek is	a class 3	sti	ream of unspecifi	ea use, 1	riowing
through s	<u>emi-urt</u>	oan ai	nd residen	tial popula XI. SOIL AND V	tion area	IS.		9 4	
LOCATION OF S	ITE IS IN:		<u> </u>	AL SUIL AND V	EGITATION D	AIA			
A. KNOWN		NE	в. ки	ARST ZONE	☐ c. 10	10: YE	EAR FLOOD PLAIN] D. WETLAN	D
	·	-							
E. A REGU	LATED FL	OODWA		RITICAL HABITA			ARGE ZONE OR SOLE SOU	RCE AQUIFER	· ·
			XII. TYPI	E OF GEOLOGIC	AL MATERIA	L O	BSERVED	· .	
Mark 'X' to indi	cate the t	ype(s)	of geological m	aterial observed	and specify w	ere	necessary, the componen	r parts.	
A. CVERBU	RDEN	'×'	B. BEDI	ROCK (apacify bal	ow)	Ľ	C. OTHER (e)	ecify below)	
X 1. SAND	. 20%		Shale					<u> </u>	
2. CLAY	20%				¥.		· · · · · · · · · · · · · · · · · · ·		
χ 8. GRAVEL	60%								
 		 _	 	XIII. SOIL I	PERMEABILIT	Y	<u> </u>		
	124 11								
X A. UNKNOW		1 cm/se		ERY HIGH (100,00 OW (.1 to .001 cm/		(c.)	C. HIGH (1000 to 10		80C•)
G. RECHARGE	REA					1.			
1. YES	2. NO	3.	COMMENTS:	Unknown	<u> </u>				
🔲 1. YES	2. NO	3.	COMMENTS:	Unknown			: 	· 	
I. SLOPE	OF SLOPE	. 2	SPECIFY DIRE	CTION OF SLOPE	CONDITION)F SI	LOPE, ETC.		
10-15%	OGICAL	ATA.	West to	east, varie	d and hil	ley		·	
Landfill, mentarys face shat	/strip tratigr ft mine	mine aphy s. T	with coal	seams (Mong and possil	ahela for	mat	rea is underlain ion) as well as i ying sediments a	numberous	subsur-
	•			,	•				

प्रमुख्यु (पूर्व)

on the first page of this form.

EPA Form T2070-3 (10-79)

EPA No. MD-4

Continued From Front			Same State of Same Same			
		XIV. PERMIT INFO			1 1	.: . :
List all applicable permits h	eld by the site and	i provide the related info	rmation.			
	***		D. DATE	E. EXPIRATION	F. IN	COMPLIANCE
A. PERMIT TYPE (o.g., RCRA, Stato, NPDES, otc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	ISSUED (mo.,dey,&yr.)	DATE (mo.,day,&yr.)	1. YES	2. S. UN-
Site Closed						,
		,				·
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ORIGINAL (Red)	1	
***				(((((((((((((((((((
	XV. PAST	REGULATORY OR ENF	ORCEMENT ACT	IONS		
X NONE YES (summ	arize in this space)		1, 1, 1, 1, 1, 1, 1, 1			
NOTE: Pand a she infe				* .		

PAGE 10 OF 10

encomal (Isa)

Hoffman Landfill LANDFILLS SITE INSPECTION REPORT (Supplemental Report) Answer and Explain as Necessary.	
1. EVIDENCE OF SITE INSTABILITY (Erosion, Settling, Sink Holes, etc)	
YES ONO ONE MAJOR GUILEY SOME WILL EROSION ON FAST BANK. 2. EVIDENCE OF IMPROPER DISPOSAL OF BULK LIQUIDS, SEMI-SOLIDS AND SLUDGES INTO THE LANDFILL	-
2. EVIDENCE OF IMPROPER DISPOSAL OF BULK LIQUIDS, SEMI-SOLIDS AND SLUDGES INTO THE LANDFILL	
C YES X NO ORIGINAL	
3. CHECK RECORDS OF CELL LOCATION AND CONTENTS AND BENCHMARK (Red)	
No records.	.
4. WASTES SURROUNDED BY SORBENT MATERIAL	$\overline{}$
and the same of th	1
B. DIVERSION STRUCTURES ARE FFEETIVELY CONSTRUCTED AND PROPERLY MAINTAINED	
TYES XX NO	ł
6. EVIDENCE OF PONDING OF WATER ON SITE	
, ☐ YES XÌ NO	
	1
Pond located 50' offsite. 7. EVIDENCE OF IMPROPER/INADEQUATE DRAINING	
X) YES NO	
B. ADEQUATE LEACHATE COLLECTION SYSTEM (II "Yes", specify Type)	
TYES X NO	- 1
No leachate collection systems.	
8a. SURFACE LEACHATE SPRING	
☑ YES ☐ NO Noted in previous inspections. Not flowing (drough period) during this	insh
9. RECORDS OF LEACHATE ANALYSIS	$\neg \neg$
10. GAS MONITORING	
KN YES NO Monitored for methane build-up.	
11. GROUNDWATER MONITORING WELLS 10 wells, located along site perifeny and down dip from	4
KX YES NO site (off-site).	
12. ARTIFICIAL MEMBRANE LINER INSTALLED	
TYES KINO	
13. SPECIFIC CONTAINMENT MEASURES (Clay Bottom, Sides, etc)	Į
TYES INO	
14. FIXATION (Stabilization) OF WASTE	i
YES X NO	
S. ADEQUATE CLOSURE OF INACTIVE PORTION OF FACILITY	
X YES NO	
16. COVER(Type)	
Strip mine overburden and spoil. Mostly shale and shale-clay-sand fill, used for cover. Moderately well vegetated and used for pasture.	
16a. THICKNESS	
UNKNOWN, but probably only a few feet. A five foot deep erosion gulley exposed refus	e.
UNKNOWN, but probably high. During the summer all methane gas escapes through the soil, a build-up is only noted in the winter when the soil cover is frozen.	
16c, DAILY APPLICATION	
YES X NO	
Closed.	
010304	•

Sugara (Bod)

ORIGIFAL (Rea)

SECTION 2

Hoffman Landfill TDD No. F3-8009-06 EPA No. MD-4

FIELD TRIP REPORT

Date: October 21, 1980 Weather: partly cloudy, 55°, wind 0-5 mph.

INTRODUCTION:

FIT III conducted an On-Site Survey/ Sampling of the Hoffman Landfill, Frostburg, Maryland. The FIT III Team consisted of Messrs. A. D. Stone and T. Shannon. Three groundwater and one surface water sample were obtained and sent for analysis for organic and inorganic pollutants. On the previous day (October 20, 1980) Mr. Sam Belucci, Solid Waste Division of the Maryland Department of Health and Mental Hygiene showed FIT personnel the entrance to the site and the location of the monitoring wells. No sampling or inspection was performed on this date.

CONTACTS:

None.

OBSERVATIONS:

The following observations were made during the On-Site Inspection:

- No leachate seeps were observed. Leachate seeps had been observed by state and EPA personnel during previous inspections by others.
- One serious erosion gulley exposing refuse (photo #4) and several minor erosion rills (photo #5) were observed on the east side and bank of the landfill.
- · The site is well vegetated and used for pasture.
- · No odors or other offensive aspects were noted.
- The site was aesthetically pleasing and the mine/landfill surface appeared generally well stabalized and returned to a reasonable ecological and economically useful state. (Photos #S-5, #S-6)

ACTION ITEMS:

- The State of Maryland continue to monitor this site including organics and priority pollutants.
- The State of Maryland continue to monitor methane levels in the landfill, with respect to the adjacent dwellings.
- Apparant need for the surface erosion and leachate seep to be controlled.
- Further action pending the results of the sampling.



SECTION 3

ORIGINAL (Red)

144

Hoffman Landfill TDD No. F3-8009-06 EPA No. MD-4

SAMPLE LOG

Sample Number	<u>Description</u>	<u>Time</u>	<u>Date</u>
i	Monitoring well #3; 58 foot depth. MC-8082 (Inorganics) C-0298 (Organics). Sample had septic smell. Cloudy and turbid with suspended matter.	1550	10/21/80
2	Monitoring well #10; 79 foot depth. MC-8083 (Inorganics) C-0299 (Organic). Sample relatively clear, less septic smell. Well supposed to be 65 foot depth.	1645	10/21/80
3	East cow pond. MC-8078 (Inorganics) C-0296 (Organics) Small pond 50 feet east of landfill. Grass perimeter, emergent cattails, used by ducks and stock. No particular odor, water clear, mud bottom.	1710	10/21/80
4	Hoffman Drainage Tunnel. MC-8076 (Inorganics) C-0294 (Organic). The Hoffman Drainage Tunnel is a two mile long shaft draining the subsurface mines under the Hoffman Cabin Run and Vale Summit Landfills. Outfall is located on Route 55, 100 feet south of Route 48 overpass. Water cloudy, stream bed sterile and devoid of vegetation bright red-orange stain to rocks.	1800	10/21/80

LABORATORIES

Inorganics:

VERSAR, Inc. 6621 Electronic Drive Springfield, VA 22151

Bob Maxfield

Organics:

West Coast Technical Service 17605 Fabrica Way Cerritos, CA 90701

Linda Barnes.

ORIGINAL (Red)

SECTION 4

Hoffman Landfill TDD No. F3-8009-06 EPA No. MD-4

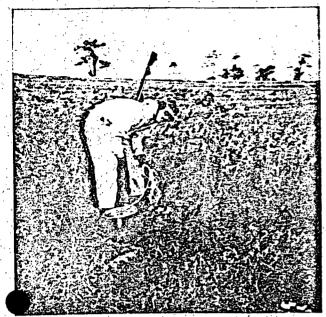
ORIGINAL (Red)

PHOTO LOG

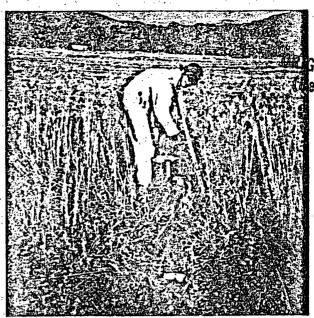
Photo #1	Sample #1, monitoring well #3; 58 foot depth.
Photo #2	Sample #2, monitoring well #10; 79 foot depth.
Photo #3	Sample #3, East low pond.
Photo #4	Erosion gulley on east slope.
Photo #5	East slope, rill and sheet erosion.
Photo #6	Sample #4, Hoffman Drainage Tunnel, Sampling effluent.
Photo #7	Effluent from the Hoffman Drainage Tunnel.
Photo #8	Hoffman Drainage Runnel - outfall and effluent.

SUPPLEMENTAL PHOTO LOG

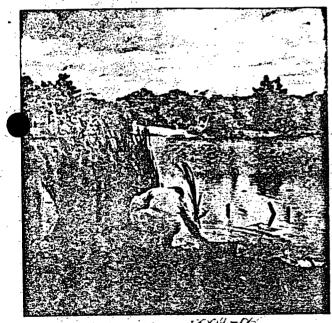
Photo #S-1	Outfall of the Hoffman Drainage Tunnel.		
Photo #S-2	Braddock Creek below the Hoffman Drainage Tunnel outflow.		
Photo #S-3	Close up of Braddock Creek below HDT outfall.		
Photo #S-4	Braddock Creek below HDT outfall.		
Photo #S-5	Hoffman Landfill, viewed north to south.		
Photo #S-6	Hoffman Landfill, viewed north to south.		



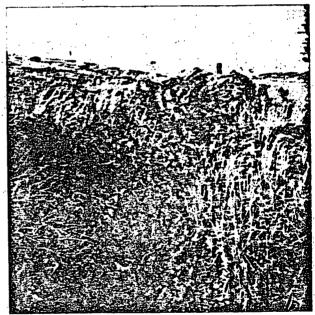
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Sanden 1 MW # 3,50 depta



#2 = 10 Sumple # 2 75' depth

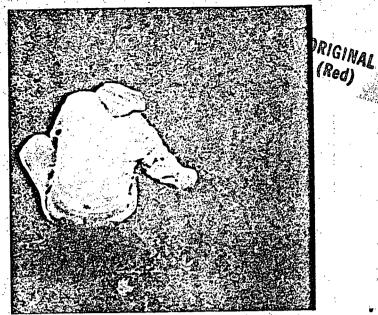


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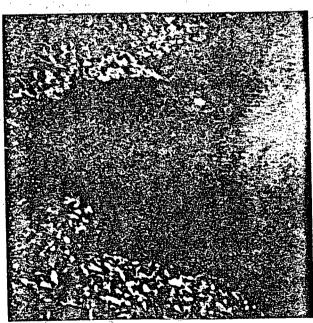


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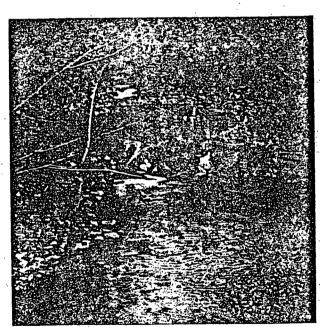
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#6 HUTTIAN LANDFIE REGION CO/21/82 Sample = -Sampling etDisent



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HUFFAM CRAWAGE TURNELEFFLUENT FROM



#8 HOFFMAN DICAMAGE TUNNEL -OUTFALL AND EFFLUENT

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10/21/80

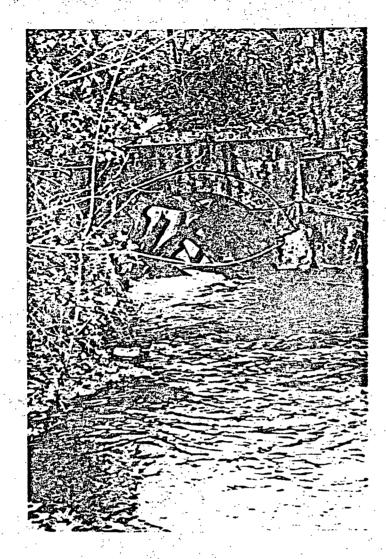
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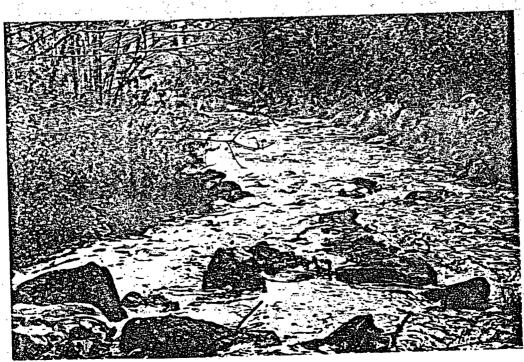
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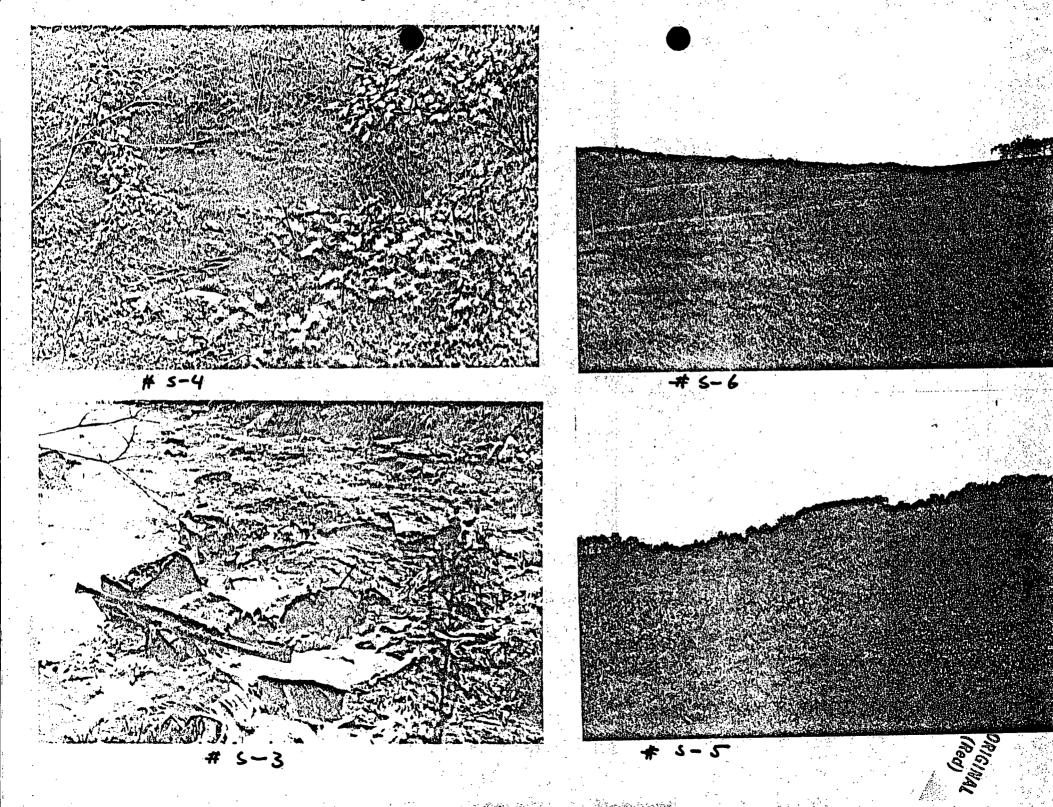


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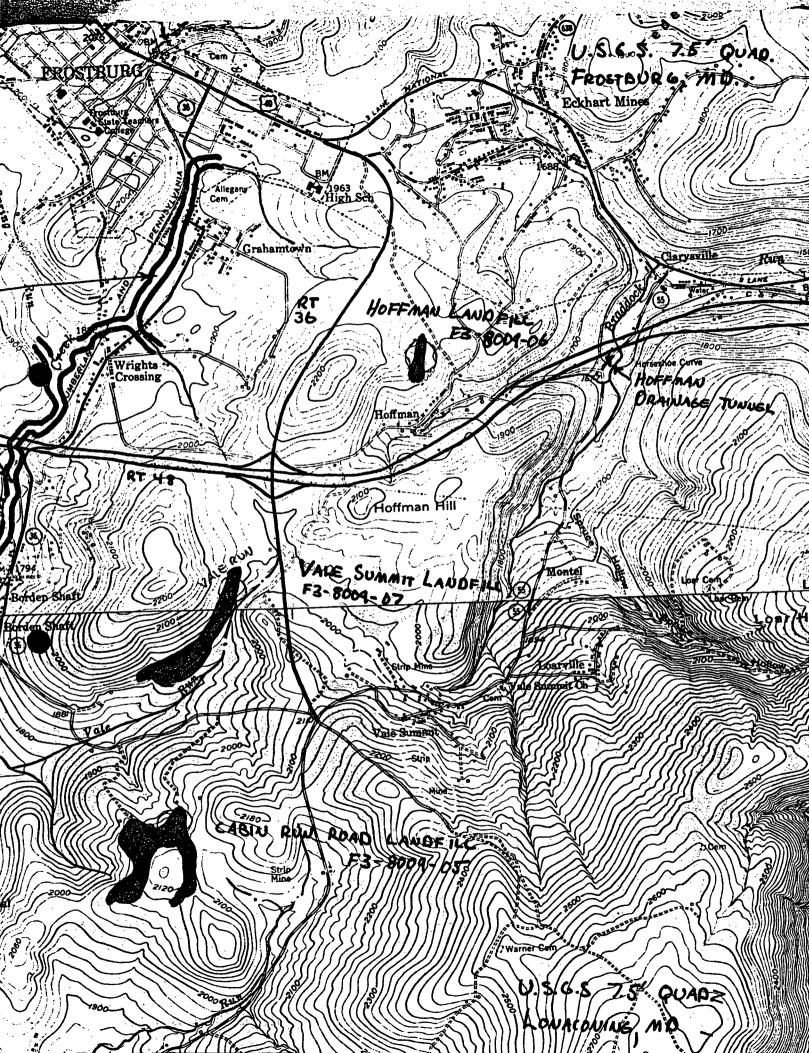


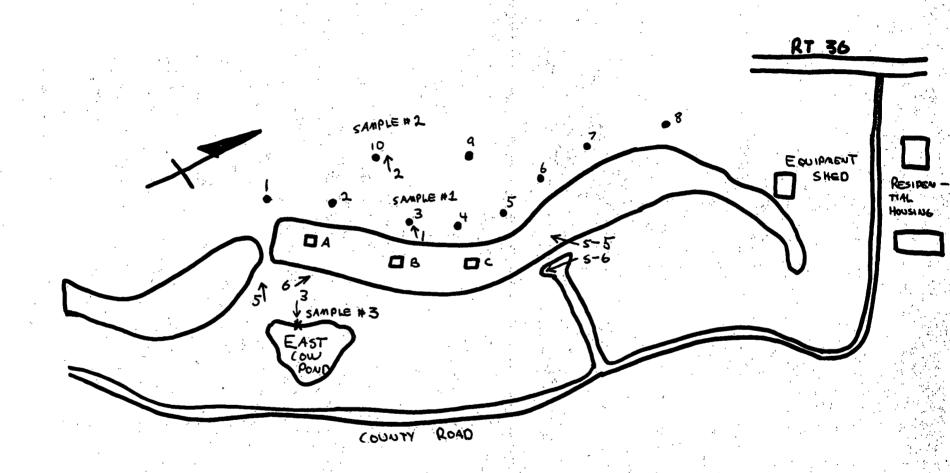
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SECTION 5

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HOFFMAN LANDFILL

TDO# F3- 8009-06 MO-4

. MODITORING WELLS O METHANE WELLS SAMPLE LOCATIONS

PHOTOS

SECTION 6



» U.S. ENVIRONMENTAL: PROTECTION AGENCY : HWI Sample Management Office

Sample Number
M.C. 8083

PO Box 818, Alexandria, VA 22313=703 /557-2490 FTS /557-2490 INORGANICS TRAFFIC REPORT

AND A STATE OF THE PARTY OF THE		the control of the co
Scimple Site Name/Code #14 The AVIDER AND	2 Scimple Type: (Check One) Run Off Well Woter Receiving Water Leachate Effluent Other (specify)	3 Ship Tet UERSAR 4 ACC 6621 Electrohics Claude Sporting Field : UB: 22151 Attn. 886 Maxfield
(4) Regional Office: #17-3	(5) Shipping Information:	
Sampling Personnel		The Agrical Country Country of
	Name Of Shipper: COULDONATE AT	
(Name) ACTIVAY DAY STONE		
(Phone) <u>274-665-7575</u>	Date Shipped 17/27/85	The state of the s
mpling Date: 1780 5 1882 5 199	Airbill Number: 3/1<75/23	The reference of the second of the
(Begin) 1:(2://3/2 (End) (5:12//3/2	A PROCESSION OF THE PROPERTY O	The state of the s
	Mark Volume Level On Sample Bottle	10 mm 1 m
(6) Description of Sample Location	Date Sampled	
WEU# 10 : 79 FOOT DEPTH	Tosk 1 & 2	* 13 Company
	Task 3 Ammonia & TOC Fluonde & pH	
	Sulfide	
MATCHES ORGANICS SAMPLE NOC-0299	Cyanide	The state of the s

REGIONAL OFFICE FILE COPY



U.S. ENVIRONMENTAL: PROTECTION AGENCY HWI Sample Management Office

INORGANICS TRAFFIC REPORT

Sample Number
MC 8082

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Ocuse Number: 282 200 200 200 200 200 200 200 200 200	2) Sample Type: (Check One); rectains Run Off: Well Water. Receiving Water. Leachate Effluent: Other (specify): 1 2 4 4	3 Ship Total/ERSAR EAR 6621 ELECTIONIES (In The Spring Pidd Ud - 2215) Attn: Bob Maxfield
Regional Office: #17 3 Sampling Personnel (Name) #17/1 DAT Statute (Phone) KOY 5/6/15/15 Sampling Date: (End) 1/11/4/4	Shipping Information: Nome Of Shipper ECOLOGY + ELICIPORT TACE Date Shipped: 1-7-2-7-8-6 Arbill Number: 713774423	
Description of Sample Location STATE OF THE	Mark Volume Level On Sample Bottle Date Sampled Task 1 & 2 / (3/2 1/1) & Task 3 Ammonia & TOC Fluorde & pH Sulfide Cyanide	

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U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office

PO Box 818, Alexandria, VA 22313—703 / 557-2490; FTS / 557-2490 INORGANICS TRAFFIC REPORT

Case Number: 122 Sample Site Name/Code: 122 accumulation of the Code of the C	② Scimple Type: (Check One) = 1.2 **	Ship To DERSAR TAIL 6027 Election is Drive Spray Pield US. After 800 Month eld CLEONE SERVICES
(Name) Aron Day Strove (Phone) Log-683 LISS (Begin) Log-180 (End) Log-180	Shipping Information: State Shipper Name Of Shipper	
6 Description of Sample Location Cov MATCHES ORGANICS SAMPLE NO = 0296	Mark Volume Level On Sample Bottle Date Sampled Task 1 & 2 Task 3 Ammonia & TOC Pluonde & pH Sulfide Cyanide	



U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office

INORGANICS TRAFFIC REPORT

, Sample Number MC_8076

Cose Number: 288274 Emily Scimple Site Name / Code: 19774	Run Off Well Woter Receiving Woter Leachate Effluent Check One) Run Off Well Woter Receiving Woter Leachate Share Check One) (specify)	Ship Tot VERSAR INC 6621 Elebtroates DX Spring Deld Un 22151 Allin BBb Maxfield
Regional Office A T S Sampling Personnel (Name) A TOAY SHOWE (Phone) AOP 863 TOSS Sampling Date (Begin) 40-71-50 (End) 40-71-50	Shipping Information: Name OlShipper Collegia: Charles Date Shipped Airbill Number: 71373673	
6) Description of Sample Location **HOFFMAN DILATIVA SET 7UNNEL **Ches CYGAN # C-0219 **AMPLE BLANK **ATTACHED MATCHES ORGANICS SAMPLE NO 316	Mark Volume Level On Sample Bottle Date Sampled Task 3 Ammonia & TOC Pluonde & pH Sulfide Cyanide	

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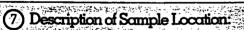
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U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office

ORGANICS TRAFFIC REPORT

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HOFFMAN LAUDFILL F3-18009-06 MOLT	Leochoffe Effluent Other (specify) Leochoffe Aine Sch	iaPf	Centos Ca 90201 Am Cinda Barnes
(1) Regional Office: FIT 3 Sampling Personnel:	(5) Mark Volume Level on San		
6 TON OAY STONE Nome)		Date Sampled	
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(6) Shipping Information	Extractable	18-21-80	
Endolfy + Enougement In Name of Shipper	A STATE OF THE PARTY OF THE PAR	ローシュニャッ	
1787 The 178	VOA Unpreserved (Duplicate)	(a-zi=w	
Date Shipped:			
713>8605			
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HOFFMAN ORAINAGE TUNNEL

MATTHES INORGANIC # MC-8076

Special Handling Instructions:
 (e.g., safety precautions, hazardous nature)

ORIGINAL (Red)



TION AGENCY HWI Sample Management Office

	Appropriate the second	I the security with a property on the security and the security with the	the second secon
①Cose Number: 282 Scample Site Name / Code: HOFFMAN LANDFILL 700# F3 -8009-06	Well (2005) Receiving Water		3 Ship Total Si Take A West Coast Felicia A West Coast Felicia A West Coast Co
Regional Office F17-3 Sampling Personnel	(5) Mark Volume Level of		
Chame)		Date Sampled	TEXT
(Name) 609-665 /57/5 (Phone)	Extructable [(D)21/80	
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- 6 Shipping Information	Extractable	ः (विश्व ४०)	
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Name of Shipper:	VOA Unpreserved (Duplicate)	ं विद्य ४०	
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(7) Description of Sample Location:

Airbill Number:

East con

Matches INORGANIC # MC-8078

8 Special Handling Instructions: (e.g., safety precautions, hazardous nature) eticite (Red)



U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office P.O. Box 818, Alexandria, Vindian, 22313.—703.7557,2490 • F15/557-2490

ORGANICS TRAFFIC REPORT

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Case Number: 282 Sample Site Name / Code: HAFFMAN CANDFILL TOD # F3-8009-06 AD 24	Sample Type (Check One Run Off Wall Receiving Water Leachate Elfluent Other (specify)	OTIGINAL (Root)	3 Ship Torder 1888 1888 1888 1888 1888 1888 1888 18
(4) Regional Office: F173	(5) Mark Volume Level on Sa	mple Bottle	
Sampling Personnel:		Date	
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(Name) 609-665-1515	Extractable	to/sr/po	
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6 Shipping Information	Extractable	0/21/80	
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Name of Shipper	VOA Unpreserved (Duplicate)	44/st/89	
Date Shipped			

7 Description of Sample Location:

Airbill Number:

71378605

WELL # 6 : 58 FOOT DEPIH

MATCHES INDREADIC # MC-8082

Special Handling Instructions:
 (e.g., safety precautions, hazardous nature)



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ecology and environment, inc.



DTECTION AGENCY HWI Sample Management Office

Receiving Water

Leachate

Other (specify)

Effluent

(1) Case Number:

Sample Site Name/Code: HOFFMAN LANDFILL TOO# F3-8009-06

(2) Sample Type: (Check One) - Run Off X was

obigirial (Rod)

(3) Ship To: WEST COAST TECHNICAL CERVICE 17605 FABRICA WAY CERRITOS , CA. Attn LINDA BARNES

(4) Regional Office: Sampling Personnel FIT-5

TON DAY STONE
(Name)

609-665-1515

Sampling Date: 10/71/80 10/21/80 (5) Mark Volume Level on Sample Bottle

	Date Sampled
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Extractable	10/21/80
Extractable	(e/2i/80
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(6) Shipping Information ELOCOSY AND ENVIRONMENT

Name of Shipper.

378605

VOA Unpreserved (Duplicate)

VOA Unpreserved

Extractable

(7) Description of Sample Location:

WELL# 10: 79 FOOT DEPTH

MATCHES INDREAUC # MC-8083

(8) Special Handling Instructions: (e.g., safety precautions, hazardous nature) Moiding (1991)



U.S. ENVIRONMENTAL PROTECTION AGENCY HWI Sample Management Office

Sample Number

ORGANICS TRAFFIC REPORT

O Case Number:

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Run Off

Well if Blog

Regional Office: PHIA.

Other (specify)

Mark Volume Level on Sample Bottle

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Mark Volume Level on San	nple Bottle 📰
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7) Description of Sample Location: $Sample - \beta(a \cdot K)$

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Special Handling Instructions:
 (e.g., safety precautions, hazardous nature)

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Oricical (Rod)

ENVIRONMENTAL PROTECTION AGENCY

Office of Enforcement

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